

02/25/02 11:00 AM

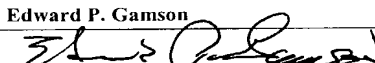
Use type a plus sign (+) inside this box ☐ +  
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<b>UTILITY PATENT APPLICATION TRANSMITTAL</b> (Only for new nonprovisional applications under 37 CFR 1.53(b))		Attorney Docket No. <b>ICC-130.0 (85124)</b>
First Inventor <b>Ashley J. Birkett</b>		
Title <b>Immunogenic Hbc Chimera Particles Stabilized With An N-Terminal ..</b>		
Express Mail Label No <b>EL854692730US</b>		

<b>APPLICATION ELEMENTS</b> See MPEP chapter 600 concerning utility patent application contents		<b>ADDRESS TO:</b> Assistant Commissioner for Patents Box Patent Application Washington, D.C. 20231	
1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original, and a duplicate for fee processing)	7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table Computer Program (Appendix)		
2. <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.	8. Nucleotide and/or Amino Acid Sequence Submiss (if applicable, all necessary)		
3. <input checked="" type="checkbox"/> Specification [Total Pages <b>157</b> ] (preferred arrangement set forth below) - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure	a. <input checked="" type="checkbox"/> Computer Readable Form (CRF) b. Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies), o. ii. <input checked="" type="checkbox"/> paper c. <input checked="" type="checkbox"/> Statements verifying identity of above copies		
4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets <b>8</b> ]	<b>ACCOMPANYING APPLICATION PARTS</b>		
5. Oath or Declaration [Total Pages <b>1</b> ] a. <input type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed) i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b> Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b)	9. <input type="checkbox"/> Assignment Papers (cover sheet & document(s)) 10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney (when there is an assignee) 11. <input type="checkbox"/> English Translation Document (if applicable) 12. <input type="checkbox"/> Information Disclosure <input type="checkbox"/> Copies of IDS Statement (IDS)/PTO-1449 Citations 13. <input type="checkbox"/> Preliminary Amendment 14. <input type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 15. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed) 16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent 17. <input checked="" type="checkbox"/> Other: <b>UNEXECUTED DECLARATION AND POWER OF ATTORNEY</b>		
6. <input checked="" type="checkbox"/> Application Data Sheet. See 37 CFR 1.76			

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment,  
or in an Application Data Sheet under 37 CFR 1.76  
☐ Continuation ☐ Divisional ☒ Continuation-in-part (CIP) of prior application No: **09/930,915**  
Prior application information: Examiner \_\_\_\_\_ Group / Art Unit \_\_\_\_\_  
For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied  
under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by  
reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

<b>19. CORRESPONDENCE ADDRESS</b>					
<input type="checkbox"/> Customer Number or Bar Code Label			or <input checked="" type="checkbox"/> Correspondence address below		
(Insert Customer No. or Attach bar code label here)					
Name	<b>Edward P. Gamson, Esq. WELSH &amp; KATZ, LTD.</b>				
Address	<b>120 South Riverside Plaza 22nd Floor</b>				
City	<b>Chicago</b>	State	<b>Illinois</b>	Zip Code	<b>60606</b>
Country	<b>USA</b>	Telephone	<b>(312) 655-1500</b>	Fax	<b>(312) 655-1501</b>

Name (Print/Type)	<b>Edward P. Gamson</b>	Registration No. (Attorney/Agent)	<b>29,381</b>
Signature		Date	<b>02/21/02</b>

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PTO/SB/17 (11-01)  
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# FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

\$1,111.00

## Complete if Known

Application Number	Unknown
Filing Date	February 21, 2002
First Named Inventor	Ashley J. Birkett
Examiner Name	Unknown
Group Art Unit	Unknown
Attorney Docket No.	(85124) ICC-130.0 US

## METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☐ Deposit Account

Deposit  
Account  
Number

23-0920

Deposit  
Account  
Name

Welsh & Katz, Ltd.

The Commissioner is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Credit any overpayments

☐ Charge any additional fee(s) during the pendency of this application

☒ Charge fee(s) indicated below, except for the filing fee to the above identified deposit account

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
101	740	201	370	Utility filing fee	370.00
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	
SUBTOTAL (1)					\$370.00

### 2. EXTRA CLAIM FEES FOR UTILITY AND

Extra Claims		Fee from below		Fee Paid
Total Claims	93 -20** = 73	X	9.00	= 657.00
Independent Claims	5 -3** = 2	X	42.00	= 84.00
Multiple Dependent				

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
103	18	203	9	Claims in excess of 20
102	84	202	42	Independent claims in excess of 3
104	280	204	140	Multiple dependent claim, if not paid
109	84	209	42	** Reissue independent claims over original patent
110	18	210	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2)

\$741.00

\*\*or number previously paid, if greater, For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

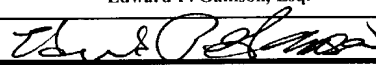
Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non - English specification	
147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,280	241	640	Petition to revive - unintentional	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR § 1.17(q)	
126	180	126	180	Submission of Information Disclosure Statement	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

## SUBMITTED BY

Name (Print/Type) Edward P. Gamson, Esq.  
Signature 

Registration No.  
(Attorney/Agent)

29,381

## Complete (if applicable)

Telephone

(312) 655-1500

Date

February 21, 2002

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[illegible]

1. The first step in the process of creating a new product is to identify a market need. This involves conducting market research to determine what consumers want and what problems they are trying to solve.

Sir:


I hereby state that the enclosed computer readable form of the Sequence Listing (file: ICC130prj.ST25.txt in ASCII format copied onto the accompanying diskette from PatentIn Ver. 3.1 on this date) and the paper copy of the Sequence Listing (pages 1 through 97) forming a part of the disclosure of the invention filed herewith on this day are identical.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable

New CIP Patent Application -2-  
Ashley J. Birkett

by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Respectfully submitted,

By   
Edward P. Gamson, Reg. No. 29,381

Enclosures


Computer Readable Disk and Sequence List  
Patent Application and Fee  
Unexecuted Declaration and Power of Attorney  
Transmittal Letter  
Application Data Sheet  
Fee Sheet

WELSH & KATZ, LTD.  
120 South Riverside Plaza, 22nd Floor  
Chicago, Illinois 60606  
Phone (312) 655-1500  
Fax No. (312) 655-1501

CERTIFICATE OF EXPRESS MAILING

I hereby certify that this Statement, together with a Computer readable disk, Transmittal Letter and its stated enclosures and Patent Application and Fee, are being deposited with the United States Postal Service as Express Mail Label No. EL854692730US, postage prepaid, in an envelope addressed to: Commissioner for Patents, Box Patent Application, Washington, D.C. 20231 on February 21, 2002.



<b>CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)</b>			Docket No. <b>ICC-130.0 (85124)</b>
Applicant(s): <b>Ashley J. Birkett</b>			
Serial No. <b>New Application</b>	Filing Date <b>February 21, 2002</b>	Examiner <b>Unknown</b>	Group Art Unit <b>Unknown</b>
Invention: <b>IMMUNOGENIC HBc CHIMER PARTICLES STABILIZED WITH AN N-TERMINAL CYSTEINE</b>			
<p>I hereby certify that this <u>Appln and Fee Transmittal Forms, Patent Appn and its stated enclosures and fee</u>  <i>(Identify type of correspondence)</i></p> <p>is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: The Commissioner of Patents and Trademarks, Washington, D.C.</p> <p>20231-0001 on <u>February 21, 2002</u>  <i>(Date)</i></p> <div style="text-align: right; margin-top: 20px;"> <u>James Cato</u>  <i>(Typed or Printed Name of Person Mailing Correspondence)</i>    <i>(Signature of Person Mailing Correspondence)</i>  <u>EL854692730US</u>  <i>("Express Mail" Mailing Label Number)</i> </div> <p style="text-align: center; margin-top: 40px;"> <b>Note: Each paper must have its own certificate of mailing.</b> </p>			